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Reserve

Agg 54E

Schedule of Classes

Spring Semester 1952

U.S. Department of Agriculture
Graduate School

Undergraduate and
graduate studies



February 4-May 16

FEB 25 1952

U.S. DEPARTMENT OF AGRICULTURE

REGISTRATION

Time

January 26 thru February 2

Saturdays, 9-4 p.m.

Monday thru Friday, 9-6:30 p.m.

Place

Patio, First Floor,

Administration Building

U.S. Department of Agriculture

14th St. and Independence Ave.

Washington, D. C.

Class Schedule and Supplement to 1951-52 Bulletin

Classes begin during week of February 4, end May 16. All classes meet in the evening unless otherwise indicated.

Complete details, including rules, regulations, and course descriptions, are given in the 1951-52 Bulletin, a copy of which may be obtained from the Graduate School office. Training officers of your agency have a copy which you may examine.

Counseling on courses and programs of study is available at all times from members of the school staff.

Registration: See schedule on front cover. No one may register for credit after February 15 except with the permission of the Registrar.

Late registration: After February 2, a \$2.00 per course late registration fee is charged.

Course Transfers: Until February 15, students may transfer from one course to another without extra charge. After February 15, there is a transfer fee of \$1.00 per course.

Change in credit-audit status: Requests to change a registration from credit to audit or vice versa will not be accepted after March 4.

Withdrawals and refunds: Refunds in cases of withdrawal will be granted according to the following schedule:

Thru February 15: Tuition less \$5.00 registration fee.

February 18-29: 60% of tuition.

March 3-14: 40% of tuition.

A minimum of \$5.00 will not be refunded. Withdrawals will be computed as of date application is received in Graduate School office. No refund for any reason will be granted after March 14.

Textbooks: Sold in Room 1041, South Agriculture Building

January 26 thru February 8

Monday thru Friday, 1-6:30 p.m.

Saturdays, 9 a.m. to 4 p.m.

February 11 thru February 21

Monday thru Friday, 4:30-6:20 p.m.

After February 21

Monday thru Friday, 4:30-5:30 p.m.

USDA Library: Reading Room, open Monday thru Friday 8:30 a.m. to 8:30 p.m.; Saturdays, 9-1.

Business office: Room 1031, South Agriculture Building.

Telephone: REpublic 4142, Extension 6337.

Hours: 9:00 a.m. to 6:20 p.m., Monday thru Friday.

Summer Session

Registration begins May 24. Classes begin week of June 2.

Classes are open to non-government as well as
government personnel

Explanation: Basic information about each course is given in the following order: course number, title, semester hours of credit, instructor, day and hour of class meeting, fee, and page of 1951-52 Bulletin on which description may be found.

BIOLOGICAL SCIENCES

- 1-102. General College Botany¹ (4) Mitchell M-Th 6:30-9:00 \$36 and \$7.50 laboratory fee p. 16
- 1-210. Systematic Botany—Identification Techniques (2) Blake W 6:10-8:00 \$18 p. 17
- 1-512B. Medical and Veterinary Entomology (Second Semester) (2) Bishopp M 6:10-8:00 \$20 p. 18
- 5-550. Pharmacology of Insecticides (2) Davidow and Specialists Tu 6:10-8:00 \$20 p. 51
- 8-554. Protecting Engineering and Scientific Developments Through Patents (2) Kramer Th 6:10-8:00 \$20 p. 96
- 3-570B. Design of Experiments in Biological Sciences² (Second Semester) (2) Mason and Specialists Tu 4:40-6:30 \$20 p. 39
- 5-570. Introduction to Oceanography (2) Instructor to be announced Tu 6:1-8:00 \$20 p. 55

LANGUAGES AND LITERATURE

ENGLISH AND LITERATURE

- 2-118. Practical English Usage (2) Samson Th 6:10-8:00 \$18 p. 19
- 2-119. Vocabulary Building (2) Murphy Th 6:10-8:00 \$18 p. 19
- 4-120. Government Letter Writing (2) Samson F 6:10-8:00 \$18 p. 46
- 2-222A. English Composition (First Semester) (3) F. H. Miller Tu 6:10-8:40 \$27 p. 20
- 2-222B. English Composition (Second Semester) (3) Weber Tu 6:10-8:40 \$27 p. 20
- 2-223. English Grammar (2) Harman Th 6:10-8:00 \$18 p. 20
- 2-230. Beginning Playwriting (2) McCabe W 6:10-8:00 \$18
- 2-242. Fiction Writing Workshop (2) Instructor to be announced M 6:10-8:00 \$18 p. 20
- 2-330B. Great Books (2) Ruppert W 6:10-8:00 \$18 p. 20

INFORMATION METHODS

- 2-75B. Introduction to Library Techniques (Second Semester) (non-credit) Daniels W 7:10-9:00 \$18 p. 22
- 3-136. Graphic Methods of Presenting Statistics (2) Hainsworth Th 6:10-8:00 p. 35
- 2-237. Government Printing Procedure (2) Anderson Th 6:10-8:00 \$18 p. 22
- 2-241. Audio-Visual Aids for Community Activities (2) Reid, Webster Th 6:10-8:00 \$18 p. 23
- 2-247. News Writing (2) Fitzpatrick M 6:10-8:00 \$18 p. 23
- 2-250. Interpretive Writing on Official Action (2) McClarren, Gilstrap M 6:30-8:20 \$18 p. 23
- 2-281. Feature Writing Workshop (2) Instructor to be announced W 6:10-8:00 \$18 p. 24
- 2-360. Advanced Practice in Editing (2) Edwards and Specialists W 6:10-8:00 \$18 p. 24
- 3-515. Publication of Statistical Reports (2) Ullman, Jenkinson W 6:10-8:00 \$20 p. 39

SPEECH

- 2-228. Fundamentals of Speech (2) Roser Th 6:10-8:00 \$18 p. 21
- 2-229. Public Speaking (2) Beauchamp W 6:10-8:00 \$18 p. 21
- 2-234. Correction of Speech Dialect (2) Emery Tu 6:10-8:00 \$18 p. 21
- 2-350. Conference Methods and Procedures (2) Beauchamp M 6:10-8:00 \$18 p. 21

¹ Meets at Wilson Teachers College.

² Meets at Plant Industry Station.

FOREIGN LANGUAGES

- 2-253A. Elementary French (First Semester) (3) Etienne M
6:10-8:40 \$27 p. 25
- 2-253B. Elementary French (Second Semester) (3) Arnould
Tu 6:10-8:40 \$27 p. 25
- 2-40. Everyday French (non-credit) Arnould Th 6:10-8:00
\$18 p. 26
- 2-254B. Intermediate French (Second Semester) (3) Arnould
W 6:10-8:40 \$27 p. 26
- 2-255B. French Conversation (Second Semester) (2) Etienne
W 6:10-8:00 \$27 p. 26
- 2-259A. Elementary German (First Semester) (3) Lederer
Tu-F 6:10-7:30 \$27 p. 26
- 2-259B. Elementary German (Second Semester) (3) J. Ponti
M 6:10-8:40 \$27 p. 26
- 2-41. Everyday German (non-credit) Bauer Tu 6:30-8:20
\$18 p. 26.
- 2-260B. Intermediate German (Second Semester) (3) Lederer
Th 6:10-8:40 \$27 p. 26
- 2-261B. German Conversation (Second Semester) (2) Bauer
W 6:30-8:20 \$18 p. 26
- 2-270B. Elementary Italian (Second Semester) (3) J. Ponti
W 6:10-8:40 \$27 p. 26
- 2-290A. Elementary Portuguese (First Semester) (3) Ornstein
W 6:10-8:40 \$27
- 2-295A. Elementary Russian (First Semester) (4) Korenev-
Rockwell M-Th 6:10-8:00 \$36 p. 26
- 2-295B. Elementary Russian (Second Semester) (4) Tarakus
M-Th 6:10-8:00 \$36 p. 27
- 2-296B. Intermediate Russian (Second Semester) (3) Saharov
Tu 6:10-8:40 \$27 p. 27
- 2-299B. Advanced Russian (Second Semester) (3) Saharov Th
6:10-8:40 \$27 p. 27
- 2-300A. Elementary Spanish (First Semester) (3) Johnston
W 6:10-8:40 \$27 p. 27
- 2-300B. Elementary Spanish (Second Semester) (3) Jaffe W
6:10-8:40 \$27 p. 27
- 2-47. Everyday Spanish (non-credit) Instructor to be an-
nounced W 6:10-8:00 \$18 p. 27
- 2-301B. Intermediate Spanish (Second Semester) (3) Instruc-
tor to be announced Tu 6:10-8:40 \$27 p. 27
- 2-302B. Spanish Composition and Conversation (Second
Semester) (2) G. Supervia Th 6:10-8:00 \$18 p. 27
- 2-574B. Advanced Spanish Conversation and Literature (Sec-
ond Semester) (2) R. Supervia Th 6:10-8:00 \$20
p. 27

MATHEMATICS AND STATISTICS

MATHEMATICS

- 3-1. Review of Freshman Mathematics (non-credit)
Kaplan M 6:10-8:00 \$18 p. 33.
- 4-101. Business Mathematics (2) Botts W 6:10-8:00 \$18
p. 42
- 3-104. Trigonometry (2) J. Rhodes M 6:10-8:00 \$18 p. 33
- 3-106. Analytic Geometry (2) J. Rhodes W 6:10-8:00 \$18
p. 33
- 3-206B. Calculus (Second Semester) (4) Greville Tu-Th 6:10-
8:00 \$36 p. 34
- 3-305B. Mathematics for Economists (Second Semester) (2)
Morton M 6:10-8:00 \$18 p. 34
- 3-307B. Unified Mathematics (Second Semester) (2) Geisler
W 6:10-8:00 \$18 p. 34
- 3-420A. History of Mathematics (3) Dribin M 6:10-8:40
\$30 p. 34
- 6-423. Mathematics of Accounting and Investment (3)
Botts Th 6:10-8:40 \$30 p. 73
- 3-712B. Theory of Functions (Second Semester) (2) Kusner
Th 6:30-8:20 \$20 p. 35

STATISTICS

- 3-126A. Introductory Statistics (First Semester) (2) Larsen
Tu 6:10-8:00 \$18 p. 35

- 3-126B. **Introductory Statistics (Second Semester) (2)** Rauchschwalbe W 6:10-8:00 \$18 p. 35
- 3-136. **Graphic Methods of Presenting Statistics (2)** Hainsworth Th 6:10-8:00 \$18 p. 35
- 8-305B. **Elements of Statistical Drafting (Second Semester) (2)** Guidry M 6:30-8:20 \$18 and \$2 laboratory fee p. 102
- 3-318. **Machine Tabulation (2)** Kaufman W 6:30-8:20 \$18 p. 36
- 3-319. **Advanced Machine Tabulation (2)** Kaufman F 6:30-8:20 \$18 p. 36
- 3-340B. **Introduction to Experimental Statistics (Second Semester) (2)** Hendricks Th 6:10-8:00 \$18 p. 36
- 3-380B. **Principles of Statistical Analysis (Second Semester) (3)** Stauber Tu-Th 6:15-7:30 \$27 p. 36
- 3-400B. **Introduction to Mathematical Statistics (Second Semester) (3)** Tepping Tu-F 6:30-7:45 \$30 p. 36
- 6-437. **Psychological Tests and Measurements (2)** Mapou Th 6:10-8:00 \$20 p. 67
- 7-449. **Population Statistics II: Intermediate Methods and Applications (3)** Hagood Tu 6:10-8:40 \$30 p. 88
- 7-458. **Manpower and Labor Force Analysis (3)** Wool M 6:10-8:40 \$30 p. 89
- 3-515. **Publication of Statistical Reports (2)** Ullman, Jenkinson W 6:10-8:00 \$20 p. 39
- 3-560. **Theory of Electronic Digital Computing Machines (2)** Cannon Tu 6:30-8:20 \$20 p. 39
- 3-570B. **Design of Experiments in Biological Sciences¹ (Second Semester) (2)** Mason and Specialists Tu 4:40-6:30 \$20 p. 39.
- 3-710. **Application of Linear Regression (3)** Daly Th 6:30-9:00 \$30 p. 37
- 3-735B. **Theory of Sample Surveys (Second Semester) (2)** Steinberg W 7:30-9:20 \$30 p. 37

OFFICE TECHNIQUES AND OPERATIONS

ADMINISTRATIVE PROCEDURES

- 4-101. **Business Mathematics (2)** Botts W 6:10-8:00 \$18 p. 42
- 4-108. **Administrative Procedure (2)** Hickey M 6:10-8:00 \$18 p. 42
- 4-110. **Federal Auditing Procedure (2)** Selinsky W 6:10-8:00 \$18 p. 43
- 4-112. **Federal Accounting Procedure (3)** Tierney Tu 6:10-8:40 \$18 p. 43
- 4-114. **Federal Personnel Procedure (2)** Mohagen M 6:10-8:00 \$18 p. 44
- 4-115B. **Federal Purchasing Procedure (Second Semester) (2)** Baldauf M 6:10-8:00 \$18 p. 44
- 4-116. **Federal Budgetary Procedure (2)** McWhorter Tu 6:10-8:00 \$18 p. 44
- 4-201. **Supervision (2)** Sharar M 6:10-8:00 \$18 p. 44
- 4-208. **Advanced Administrative Procedure (2)** Instructor to be announced Tu 6:10-8:00 \$18 p. 45
- 4-210. **Advanced Federal Auditing Procedure (2)** Collins Tu 6:10-8:00 \$18 p. 45
- 4-214. **Advanced Federal Personnel Procedure (2)** Peterson Th 6:10-8:00 \$18 p. 45
- 4-217. **Advanced Records Management (2)** Luttrell, Lando Tu 6:10-8:00 \$18 p. 46
- 4-413. **Office Management (2)** Braum M 6:10-8:00 \$20 p. 46
- 7-462. **Traffic Management (2)** Perrin Tu 6:10-8:00 \$20 p. 82

LETTER, PROCEDURE, AND REPORT WRITING

- 4-120. **Government Letter Writing (2)** Samson F 6:10-8:00 \$18 p. 46

¹ Meets at Plant Industry Station.

- 3-136. **Graphic Methods of Presenting Statistics** (2) Hainsworth Th 6:10-8:00 \$18 p. 35
- 2-250. **Interpretive Writing on Official Action** (2) McClarren, Gilstrap M 6:30-8:20 \$18 p. 23
- 4-421. **Writing Procedures and Instructions** (2) Allsman, Pearson M 6:10-8:00 \$20 p. 47
- 3-515. **Publication of Statistical Reports** (2) Ullman, Jenkins W 6:10-8:00 \$20 p. 39

SHORTHAND AND SECRETARIAL PRACTICES

- 4-89. **Review of Gregg—Anniversary** (non-credit) Flinchum M-Th 6:10-7:30 \$27 p. 49
- 4-129. **Beginning Gregg I—Simplified** (3) \$27 p. 49
Section I¹ Wilkey M-W-F 7:10-8:00
Section II Taylor M-W-F 7:10-8:00
(Section II is open to USDA employees only)
- 4-130. **Beginning Gregg II—Simplified** (3) \$27 p. 49
Section I Wilkey¹ M-W-F 6:10-7:00
Section II Taylor M-W-F 6:10-7:00
- 4-225. **Gregg Shorthand Simplified—60-80 Words** (3) Bell Tu-Th 6:10-7:30 \$27 p. 49
- 4-226. **Gregg Shorthand, 80-100 Words¹** (3) Rowland M-Th 6:10-7:30 \$27 p. 49
- 4-231. **Gregg Shorthand, 100-130 Words¹** (3) Harlin M-Th. 6:10-7:30 \$27 p. 49
- 4-335. **Reporting—Gregg, 130-150 Words** (4) Romagna M-Th 6:30-8:20 \$36 p. 49 (Open to stenotypists)
- 4-336. **Reporting—Gregg, 150-175 Words** (4) Butler M-TH 6:10-8:00 \$36 p. 49 (Open to stenotypists)
- 4-337. **Reporting—Gregg, 175-200 Words** (4) Instr. to be announced M-Th 6:10-8:00 \$36 (Open to stenotypists)
- 4-325. **Secretarial Practices** (3) Groff Th 6:10-8:40 \$27 and \$1.50 laboratory fee p. 49

PHYSICAL SCIENCES

CHEMISTRY, SOILS, GEOLOGY, PHYSICS

- 5-153B. **College Physics** (Second Semester)² (4) Kilgore M-Th 6:30-8:45 \$36 and \$5 laboratory fee p. 56
- 5-156. **Soil Conservation** (2) Steele W 6:10-8:00 \$18 p. 53
- 8-166B. **Glass Blowing³** (2) Clark M-W 5:10-6:30 \$27 p. 103
- 8-217. **Astronomy for Engineers** (3) Rappleye, Parkin M 6:10-8:00 \$27 p. 98
- 5-312. **Food Technology—Fruits and Vegetables** (2) Beacham M 6:30-8:20 \$18 p. 51
- 5-315B. **Elementary Biochemistry** (Second Semester) (2) Hess Th 6:10-8:00 \$18 p. 51
- 5-349B. **Physical Chemistry** (Second Semester) (2) Horwitz M 6:10-8:00 \$18 p. 51
- 5-400B. **Advanced Organic Chemistry** (Second Semester) (2) Patterson W 6:10-8:00 \$20 p. 51
- 5-435. **Elements of Physical Geology** (3) Instructor to be announced Th 6:10-8:40 \$30 p. 52
- 5-528. **Principles of Engineering Alloys** (2) Loring Tu 6:30-8:20 \$20 p. 54
- 5-531. **Soils: Their Morphology, Genesis, and Classification** (3) Nikiforoff Tu-Th 6:10-7:30 \$30 p. 53
- 5-550. **Pharmacology of Insecticides** (2) Davidow and Specialists Tu 6:10-8:00 \$20 p. 51
- 8-554. **Protecting Engineering and Scientific Developments Through Patents** (2) Kramer Th 6:10-8:00 \$20 p. 96
- 5-570. **Introduction to Oceanography** (2) Instructor to be announced Tu 6:10-8:00 \$20 p. 55
- 5-641. **Advanced Dynamic Geology** (3) Instructor to be announced W 6:10-8:40 \$30 p. 53

¹ Meets at Foreign Service Institute (State Department).

² Meets at Wilson Teachers College.

³ Meets at Naval Research Laboratory.

METEOROLOGY

- 5-162. Principles of Meteorology (2) Carlin Th 6:10-8:00
\$18 p. 54
- 5-311. Methods in Climatology II (2) Thom Th 6:10-8:00
\$18
- 5-536B. Physical and Synoptic Meteorology (Second Semester)
(3) Shuman W 6:10-8:40 \$30 p. 55
- 5-538. Elements of Dynamic and Synoptic Climatology (2)
Jacobs M 6:10-8:00 \$20 p. 55
- 5-580B. Advanced Weather Analysis and Forecasting (Second
Semester) (3) Gray, Winston Tu 6:10-10:00 \$30
and \$4 laboratory fee p. 55

PUBLIC ADMINISTRATION

GENERAL ADMINISTRATION

- 6-341. American National Government (2) Smith Tu 6:30-
8:20 \$18 p. 62
- 6-344. Introduction to Public Administration (3) Brown
W 6:30-9:00 \$27 p. 62
- 6-450. Principles of Scientific Management (3) Asay W
6:10-8:40 \$30 p. 63
- 6-519. Work Standards and Work Measurement (2) Wil-
liams Tu 6:10-8:00 \$20 p. 63
- 6-540. Scientific Management in Public Enterprise (3)
Ward W 6:10-8:40 \$30 p. 63
- 6-545. Administrative Leadership (3) Corson M 6:10-8:40
\$30 p. 63
- 6-600. Readings and Papers in Public Administration (3)
Thurston Time to be arranged \$30 p. 64
- 6-680. Administrative Law (2) Sellers W 6:10-8:00 \$20
p. 69

ORGANIZATION AND METHODS WORK

- 6-405B. Principles and Techniques of O&M Work (2) Levine,
Young Th 6:10-8:00 \$20 p. 64
- 4-421. Writing Procedures and Instructions (2) Allsman,
Pearson M 6:10-8:00 \$20 p. 47
- 6-519. Work Standards and Work Measurement (2) Wil-
liams Tu 6:10-8:00 \$20 p. 63

FINANCIAL AND BUDGETARY ADMINISTRATION

- 6-361. Hospital Business Administration II: Cost Analysis
Methods and Budgeting (2) Spanier and Specialists
F 6:10-8:00 \$18 p. 65
- 7-418. Public Finance and Taxation (2) Haygood M 6:10-
8:00 \$20 p. 78
- 6-510. Analysis and Interpretation of Financial Statements
(2) Acker Tu 6:10-8:00 \$20 p. 73
- 6-636. Budgetary and Financial Administration: Budget
Execution (2) Roberts, Wheeler and Staff Th 6:10-
8:00 \$20 p. 66

PERSONNEL ADMINISTRATION

- 4-201. Supervision (2) Sharar M 6:10-8:00 \$18 p. 44
- 6-425. Legal Aspects of Investigation—Criminal Evidence
and Procedure (2) Koebel Th 6:10-8:00 \$20 p. 69
- 6-430. Public Personnel Administration (2) Couch W
6:10-8:00 \$20 p. 66
- 7-433. Social Psychology (3) Taylor Tu 6:10-8:40 \$30
p. 88
- 6-437. Psychological Tests and Measurements (2) Mapou
Th 6:10-8:00 \$20 p. 67
- 6-444. Position Classification (2) Laxton, Findlay Tu 6:10-
8:00 \$20 p. 67
- 7-458. Manpower and Labor Force Analysis (3) Wool M
6:10-8:40 \$30 p. 89
- 6-580. Classification and Pay Administration (2) Buckley,
Baruch and Specialists M 6:10-8:00 \$20 p. 68
- 6-730. Training Problems—Seminar (2) Henderson, Moore,
Barley First meeting Feb. 4, 6:10-8:00 \$20 p. 68

LAW

- 6-422B. Business Law (2) Johnson M 6:10-8:00 \$20 p. 69
6-425. Legal Aspects of Investigation—Criminal Evidence and Procedure (2) Koebel Th 6:10-8:00 \$20 p. 69
8-554. Protecting Engineering and Scientific Developments Through Patents (2) Kramer Th 6:10-8:00 \$20 p. 96
6-680. Administrative Law (2) Sellers W 6:10-8:00 \$20 p. 69

PROCUREMENT AND PROPERTY MANAGEMENT

- 6-455. Management of Government Supply (2) Holden Th 6:10-8:00 \$20 p. 70

ACCOUNTING AND AUDITING

- 4-110. Federal Auditing Procedure (2) Selinsky W 6:10-8:00 \$18 p. 43
4-112. Federal Accounting Procedure (3) Tierney Tu 6:10-8:40 \$27 p. 43
4-210. Advanced Federal Auditing Procedure (2) Tu 6:10-8:00 \$18 p. 45
6-352A. Principles of Accounting (First Semester) (3) Marshall Tu 6:10-8:40, Th 6:10-7:00 \$27 p. 72
6-352B. Principles of Accounting (Second Semester) (3) Rowe M 6:10-8:40, W. 6:10-7:00 \$27 p. 72
6-353B. Intermediate Accounting (Second Semester) (3) Hord M 6:10-8:40 \$27 p. 72
6-354. Federal Government Accounting (3) Mason W 6:10-8:40 \$27 p. 73
6-423. Mathematics of Accounting and Investment (3) Botts Th 6:10-8:40 \$30 p. 73
6-510. Analysis and Interpretation of Financial Statements (2) Acker Tu 6:10-8:00 \$20 p. 73
6-642B. Cost Accounting (Second Semester) (3) D'Alessandro Tu 6:10-8:40 \$30 p. 73
6-693B. Auditing (Second Semester) (2) Cooper M 6:10-8:40 \$20 p. 74

SOCIAL SCIENCES

ECONOMICS

- 7-201B. Principles of Economics (Second Semester) (3) Burroughs, Allin W 6:10-8:40 \$27 p. 78
3-305B. Mathematics for Economists (Second Semester) (2) Morton M 6:10-8:00 \$18 p. 34
7-325. Managing Personal Finances (3) Larsen W 6:10-8:40 \$27 p. 87
7-418. Public Finance and Taxation (2) Haygood M 6:10-8:00 \$20 p. 78
7-458. Manpower and Labor Force Analysis (3) Wool M 6:10-8:40 \$30 p. 89
6-540. Scientific Management in Public Enterprise (3) Ward W 6:10-8:40 \$30 p. 63
7-548B. Economic Analysis (Second Semester) (2) Parsons Tu 6:10-8:00 \$20 p. 78
7-706. Modern Economic Thought (3) Allin, Cavin Th 6:10-8:40 \$30 p. 79
7-712. Research Methods in Social Sciences (2) Stine and Specialists M 6:10-8:00 \$20 p. 79

AGRICULTURAL ECONOMICS—TRANSPORTATION

- 7-412. Risk and Insurance (3) Horton, Botts M 6:10-8:40 \$30 p. 81
7-416. Agricultural Cooperation (3) Abrahamsen, Hedges, and Staff W 6:10-8:40 \$30 p. 81
7-462. Traffic Management (2) Perrin Tu 6:10-8:00 \$20 p. 82
7-468. Transportation Problems of Agriculture (3) Leavens Th 6:10-8:40 \$30 p. 82
7-712. Research Methods in Social Sciences (2) Stine and Specialists M 6:10-8:00 \$20 p. 79
7-721. Agricultural Finance Seminar (3) Wall, Engberg W 6:10-8:40 \$30 p. 83

- 7-722. **Marketing—Seminar (2)** Trelogan W 6:10-8:00 \$20
p. 83

COOPERATIVE EXTENSION EDUCATION

- 7-596. **Development of Programs (2)** Hearne, Matthews Tu
6:10-8:00 \$20 p. 84

HUMAN RELATIONS—PSYCHOLOGY

- 7-105. **Introduction to the Study of Human Relations (2)**
Longmore M 6:10-8:00 \$18 p. 86
- 7-210. **General Psychology (3)** Albee Tu 6:10-8:40 \$27
p. 86
- 7-215. **General Sociology (3)** Longmore, Raper Th 6:10-8:40
\$27 p. 86
- 7-220. **Introduction to Cultural Anthropology (3)** Clements
W 6:10-8:40 \$27 p. 87
- 7-303. **Child and Adolescent Psychology (2)** Brunschwig
W 6:10-8:00 \$18 p. 87
- 7-325. **Managing Personal Finances (3)** Larsen W 6:10-
8:40 \$27 p. 87
- 7-400. **Introduction to General Semantics (2)** Saunders W
7:30-9:20 \$20 p. 88
- 7-433. **Social Psychology (3)** Taylor Tu 6:10-8:40 \$30 p.
88
- 6-437. **Psychological Tests and Measurements (2)** Mapou
Th 6:10-8:00 \$20 p. 67
- 7-449. **Population Statistics II: Intermediate Methods and
Applications (3)** Hagood Tu 6:10-8:40 \$30 p. 88
- 7-458. **Manpower and Labor Force Analysis (3)** Wool M
6:10-8:40 \$30 p. 89
- 7-465. **The American Tradition (3)** Brewster W 6:10-8:40
\$30 p. 89
- 7-470B. **Applications in General Semantics (1)** Saunders
Th 7:30-9:20 (Every other week) \$10 p. 89

HISTORY AND INTERNATIONAL RELATIONS

- 7-251. **American History Since 1865 (3)** Rasmussen Th
6:10-8:40 \$27 p. 91
- 6-341. **American National Government (2)** Smith Tu 6:30-
8:20 \$18 p. 62
- 7-436. **European Diplomatic History, 1848 to the Present (3)**
Gross M 6:10-8:40 \$30 p. 91
- 7-525B. **Application of Psychoanalytic Theory and Methods
to Problems of International Relations (2)** Spitzer
M 6:10-8:00 \$20 p. 92
- 7-745. **United States and International Organizations (3)**
Calderwood and Specialists W 6:10-8:40 \$30 p. 92
- 7-820. **American Foreign Relations, Policies, and Practices
(3)** Johnson Tu 6:10-8:40 \$30 p. 93

TECHNOLOGY AND ARTS

ENGINEERING

- 8-110. **Principles of Electricity (2)** Askegaard Th 6:10-8:00
\$18 p. 95
- 8-217. **Astronomy for Engineers (3)** Rappleye, Parkin M
6:10-8:00 (Field trips on 4 Saturdays as arranged)
\$27 and \$1 laboratory fee p. 98
- 5-528. **Principles of Engineering Alloys (2)** Loring Tu 6:30-
8:20 \$20 p. 54
- 8-554. **Protecting Engineering and Scientific Developments
Through Patents (2)** Kramer Th 6:10-8:00 \$20
p. 96
- 3-560. **Theory of Electronic Digital Computing Machines
(2)** Cannon Tu 6:30-8:20 \$20 p. 39

SURVEYING AND MAPPING

- 8-125. **Introduction to Cartography (2)** Serveson Tu 6:10-
8:00 \$18 p. 99
- 8-213. **Photogrammetry II (2)** Higginson W 7:10-9:00 \$18
p. 99

- 8-217. **Astronomy for Engineers** (3) Rappleye, Parkin M
6:10-8:00 (Field trips on 4 Saturdays as arranged)
\$27 and \$1 laboratory fee p. 98
- 8-223. **Cartography II—Map Projections and Grid Systems**
(2) Fonfara Th 6:10-8:00 \$18 p. 100
- 8-225. **Cartography IV—Small Scale Maps** (2) Rosenbaum
Tu 6:10-8:00 \$18 p. 100
- 8-240. **Methods of Map Reproduction** (2) Delaney and
Specialists W 7:10-9:00 \$18 p. 100
- 8-371. **Photogrammetry IV** (2) Tewinkel, Colner M-W
6:10-8:00 \$18 p. 99

ARCHITECTURE AND DRAFTING

- 8-305B. **Elements of Statistical Drafting** (Second Semester) (2)
Guidry M 6:30-8:20 \$18 and \$2.00 laboratory fee
p. 102
- 8-325. **Basic Mechanical Drawing II¹** (2) Wiemer Th 6:10-
10:00 \$18 and \$3 laboratory fee p. 102
- 8-341. **Architectural Drafting II¹** (2) Wiemer M 6:10-10:00
\$18 and \$2.50 laboratory fee p. 103
- 8-343. **Architectural Drafting IV¹** (2) Wiemer M 6:10-10:00
\$18 and \$2.50 laboratory fee p. 103

FINE ARTS

- 8-320. **Water Color Painting¹** (2) Lyon M-Th 6:10-8:00
\$27 p. 101
- 8-321. **Sketching and Freehand Drawing** (2) Caroline Van
H. Bean Tu-Th 6:10-8:00 \$27 p. 101
- 8-323. **Portrait Painting in Oil** (2) Lazzari M-W 6:10-8:00
\$27 p. 101
- 8-334. **Modern Painting** (2) Richards Tu 6:10-8:00 \$18
p. 102

TECHNICAL ARTS—HOME ECONOMICS

- 8-55. **Introduction to Interior Decoration** (non-credit)
Hensley W 6:30-8:20 \$18 and \$1.50 laboratory fee
- 8-166B. **Glass Blowing²** (2) Clark M-W 5:10-6:30 \$27 p.
103
- 8-231. **Home Furnishings—Textiles and Furniture** (2)
Hensley Tu 6:30-8:20 \$18 and \$1.50 lab. fee p. 103
- 7-325. **Managing Personal Finances** (2) Larsen W 6:10-
8:40 \$27 p. 87

PHOTOGRAPHY

- 8-70. **Survey of Photography** (non-credit) McHenry W
7:10-9:00 \$18 p. 104
- 8-162. **Offset Lithographic Reproduction II** (2) Ball Th
6:10-8:00 \$18 and \$2.00 laboratory fee
- 8-192. **Fundamentals of Photography I** (2) Cobb W 6:10-
8:00 \$18 p. 105
- 8-193. **Practice of Photography I** (2) Beales M 6:10-8:00
\$18 and \$3 laboratory fee p. 105
- 8-195. **Fundamentals of Photography II** (2) Schantz M
6:10-8:00 \$18 p. 105
- 8-196. **Practice of Photography II** (2) Beales W 6:10-8:00
\$18 and \$3 laboratory fee p. 105
- 8-197. **Art in Photography II** (2) Ball Tu 6:10-8:00 \$18
p. 105
- 8-240. **Methods of Map Reproduction** (2) Delaney and
Specialists W 7:10-9:00 \$18 p. 100
- 8-271. **Color Photography II—Printing Techniques** (3)
Young Th 6:10-8:40 \$27 and \$12.50 laboratory fee
p. 106
- 8-360B. **Portrait Photography** (Second Semester) (2) Purdy
F 6:10-8:00 \$18 and \$4 laboratory fee p. 106
- 8-011. **Photographic Roundtable** (non-credit) Purdy (Time
to be arranged. No fee. Registration is required) p. 106

¹ Meets at Wilson Teachers College.

² Meets at Naval Research Laboratory.